

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listing of claims, in the Application.

Listing of claims:

1. (Currently amended) A method of transmitting data from a source system to a target system over a network, said data being divided into a number of packets before transmission, the method comprising the steps of:

determining whether the number of packets exceeds a threshold number,
each packet having an IP header with an IP identification field;

establishing a plurality of TCP/IP network connections to transfer the packets in parallel if the number of packets exceeds the threshold number;
and

transmitting the packets in parallel, each packet having an indicium for properly reconstructing the data by the target system, the indicium being placed in the IP identification field.

- 2-5. Canceled.

6. (Currently amended) A computer program product on a computer readable medium for transmitting data from a source system to a target system over a network, said data being divided into a number of packets before transmission, the computer program product comprising:

code means for determining whether the number of packets exceeds a threshold number, each packet having an IP header with an IP identification field;

code means for establishing a plurality of TCP/IP network connections to transfer the packets in parallel if the number of packets exceeds the threshold number; and

code means for transmitting the packets in parallel, each packet having an indicium for properly reconstructing the data by the target system, the indicium being placed in the IP identification field.

7-10. Canceled.

11. (Currently amended) An apparatus for transmitting data from a source system to a target system over a network, said data being divided into a number of packets before transmission, the apparatus comprising:

means for determining whether the number of packets exceeds a threshold number, each packet having an IP header with an IP identification field;

means for establishing a plurality of TCP/IP network connections to transfer the packets in parallel if the number of packets exceeds the threshold number; and

means for transmitting the packets in parallel, each packet having an indicium for properly reconstructing the data by the target system, the indicium being placed in the IP identification field.

12-15. Canceled.

16. (Currently amended) A computer system for transmitting data to a target system over a network, said data being divided into a number of packets before transmission, the computer system comprising:

at least one memory device for storing code data; and

a plurality of processors for processing the code data to determine whether the number of packets exceeds a threshold number, each packet having an IP header with an IP identification field, to establish a plurality of TCP/IP network connections to transfer the packets in parallel if the number of packets exceeds the threshold number, and to transmit the packets in parallel, each packet having an indicium for properly reconstructing the data by the target system, the indicium being placed in the IP identification field.

17-20. Canceled.